



STATE OF UTAH
NATURAL RESOURCES
Water Rights

M/0376-51

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

May 18, 1989

RECEIVED
MAY 22 1989

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas & Mining
Attn: Lowell Braxton
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Change Application t89-05-01

Dear Mr. Braxton:

The above referenced Temporary Change Application has been approved, and a copy is enclosed for your records and information.

Please contact me if you have any questions.

Sincerely,

Mark P. Page
Area Engineer

Enclosure
MPP/mjk

APPLICATION FOR TEMPORARY CHANGE OF WATER

RECEIVED
MAY 02 1989
WATER RIGHTS
SALT LAKE

STATE OF UTAH

RECEIVED Rec. by EA
Fee Paid \$ 105.00
Receipt # 26153
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 05 - Area _____ *APPLICATION NO. 189 - 05 - 01

Changes are proposed in (check those applicable)

XX point of diversion. XX place of use. XX nature of use. _____ period of use.

1. OWNER INFORMATION

Name: Rio Algom Mining Corporation *Interest: _____%

Address: P.O. Box 610, LaSal Route

City: Moab State: Utah Zip Code: 84532

2. *PRIORITY OF CHANGE: May 2, 1989 *FILING DATE: May 2, 1989

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: WUC 05-685; App. #38357, a-6717; Certificate
of Appropriation No. 10442

Prior Approved Temporary Change Applications for this right: a-6717

***** HERETOFORE *****

4. QUANTITY OF WATER: 1.466 cfs and/or _____ ac-ft.

5. SOURCE: Underground Water - Production & Vent Shafts

6. COUNTY: San Juan

7. POINT(S) OF DIVERSION: 1) Production shaft: S. 3004 ft. W. 1419 ft. from
NE Cor. §21; 2) Vent Shaft: S. 1007 ft. E. 530 ft. from NW Cor. §27;
both in T29S, R24E, SLBM

Description of Diverting Works: Pumping stations and pipeline to places of use.

8. POINT(S) OF REDIVERSION

The water has been rediverted from N/A at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 1.466 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10. NATURE AND PERIOD OF USE

Irrigation: From _____ to _____
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From Jan. 1, to Dec. 31
Power: From _____ to _____
Other: From _____ to _____

11. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: See below Mining District in the Lisbon Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Mining ~~xxxx~~(describe): Mining and milling, Dust Control, Drilling, Fire Protection

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): SE $\frac{1}{4}$, Section 21, T29S, R24E, SLB&M

13. STORAGE

Reservoir Name: N/A Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: 1.466 cfs and/or _____ ac-ft.

15. SOURCE: Underground well

Balance of the water will be abandoned: _____, or will be used as heretofore: _____

16. COUNTY: San Juan

17. POINT(S) OF DIVERSION: approximately 2,640 ft. South of the NW corner of
Section 21, T29S, R24E, SLB&M.

8" Casing, 100-300 feet deep

Description of Diverting Works: Underground well equipped with pump

*COMMON DESCRIPTION: 4 miles West of LaSal LaSal West Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is 1.466 cfs or _____ ac-ft.

The amount of water to be returned is _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): Only so much water as
necessary will be pumped. There is expected to be no discharge
flow although there may be percolation.

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 05/18/89 to 05/17/90

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: See explanatory _____ Mining District at the Lisbon _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Reclamation, Dust Suppression, Revegetation, Fire Control

22. PLACE OF USE

E $\frac{1}{2}$ of Sec. 20,
Legal description of place of use by 40 acre tract(s): SW $\frac{1}{4}$ of Sec. 15, ¹NW $\frac{1}{4}$ and S $\frac{1}{2}$ of Sec. 22,
SW $\frac{1}{4}$ of Sec. 23 and N $\frac{1}{2}$ of Sec. 27, Section 21, T29S, R24E, SLB&M

23. STORAGE

Reservoir Name: N/A Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

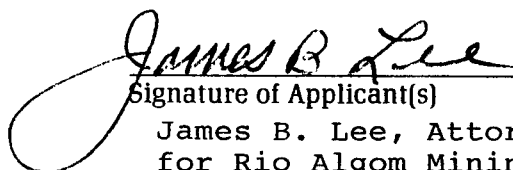
Please notify of any correspondence: Rio Algom Attn: David R. Bird

185 South State Street

P.O. Box 11898

Salt Lake City, Utah 84147

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).


Signature of Applicant(s)
James B. Lee, Attorney
for Rio Algom Mining Corp.

EXPLANATORY

Rio Algom Mining Corporation dewatered its underground uranium mine by pumping from the mine workings to the surface through either the vent or production shafts. On the surface, the water (high in Total Dissolved Solids) was piped to settling ponds and then used on site, primarily for wetting the tailings beaches. If not needed, treated water was pumped back to the vent shaft area where it was discharged pursuant to a National Pollutant Discharge Elimination System permit into a discharge ditch leading to East Coyote Wash.

Rio Algom's underground uranium mine has been abandoned and the vent and production shafts (as well as the rest of the mine) have flooded. Applicant proposes to drill and equip a new well down-gradient from the existing tailings pond and use the water to keep the tailings beaches wet. The remainder of the water will be used as needed for surface operations associated with the mine and mill site.

No. 9 cont: During the dry summer months, the full flow from the underground workings was consumed on site in keeping the tailing beaches wet. During the wet winter months essentially the full flow, after treatment, was discharged to East Coyote Wash.

No. 11 cont: Mining and milling operation for Rio Algom Corporation used in the Southeast quarter, Section 21, Township 29 South, Range 24 East, Salt Lake Base and Meridian. Underground uses of dust control, core drilling and fire protection. Surface operations including plant operations, dust suppression and fire control.

No. 21 cont: Surface operations including wetting tailing beaches, dust suppression, reclamation to re-establish natural vegetation, and fire control.

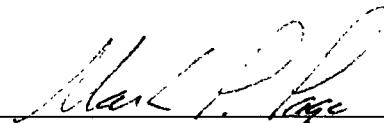
STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t89-05-01

1. May 2, 1989 Change Application received.
2. May 17, 1989 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated May 18, 1989, subject to prior rights and this application will expire on May 17, 1990.



Mark Page, Area Engineer
for
Robert L. Morgan, State Engineer